

ABSTRACT OF SANITARY REPORTS.

VOL. VI. WASHINGTON, D. C., OCTOBER 30, 1891. No. 44.

[Published at the Marine-Hospital Bureau in accordance with act of Congress of April 29, 1878.]

UNITED STATES.

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS.

CAPE CHARLES QUARANTINE.

Week ended October 25, 1891.

Name of vessel.	Date of arrival.	Where from.	Destination.	Treatment of vessel and cargo.	Date of dep'ture.
British S. S. Forest.....	Oct. 17	Huelva.....	Philadel- phia.	Inspected and passed.	Oct. 17
Brit. S.S. Matthew Bellington.	Oct. 17	Las Palmas.	Newport News.	.....do.....	Oct. 17
British barkentine Brunette..	Oct. 17	Pernam- buco.	Richmond, Va.	.....do.....	Oct. 17
Am. schr. Zamora.....	Oct. 18	Vivarella Cay.	New York..	.....do.....	Oct. 18.
U. S. N. ship Jamestown.....	Oct. 18	Funchal.....	Hampton Roads.	.....do.....	Oct. 18
Swedish bark Carin.....	Oct. 18	Pernam- buco.	.....do.....	.....do.....	Oct. 18
British S. S. Midrigan.....	Oct. 18	Hull.....	Norfolk .....	.....do.....	Oct. 18
British S. S. Acadian.....	Oct. 18	Halifax .....	.....do.....	.....do.....	Oct. 18
British S. S. Bessarabia	Oct. 19	Liverpool .....	.....do.....	.....do.....	Oct. 19
Am. sch. Lulu.....	Oct. 20	Windsor	City Point..	.....do.....	Oct. 20
British S. S. Westhall	Oct. 23	Newcastle	Norfolk .....	.....do.....	Oct. 23

Twenty-seven vessels spoken.

DELAWARE BREAKWATER QUARANTINE.

Week ended October 17, 1891.

British S. S. Onalaska.....	Oct. 11	Cardenas.....	Waiting or- ders.	Inspected and passed.	Oct. 14
British S. S. Norlands.....	Oct. 15	Newcastle...	.....do.....	.....do.....	Oct. 15
British S. S. Buteshire.....	Oct. 15	Santiago.....	Philadel- phia.	.....do.....	Oct. 15
British S. S. Sydmonoton.....	Oct. 17	Cardiff.....	Waiting or- ders.	.....do.....	Oct. 17
British S. S. Gairloch.....	Oct. 17	Havana.....	Philadel- phia.	.....do.....	Oct. 17
British S. S. Bramham.....	Oct. 17	W. Hartle- pool.	Waiting or- ders.	.....do.....	Oct. 17

Week ended October 24, 1891.

British steamship Dunedin ...	Oct. 18	Cardiff.....	Waiting or- ders.	Inspected and passed.	Oct. 18
Am. schr. H. E. Thompson.....	Oct. 18	Trinidad....	.....do.....	.....do.....	Oct. 18
American schr. R. J. Evans.....	Oct. 19	Brava, Ja- maica.	Boston.....	.....do.....	Oct. 19
British S. S. Aymestry.....	Oct. 19	Saurabaga..	Waiting or- ders.	.....do.....	Oct. 20
Am. schr. Belle Wooster.....	Oct. 20	Sagua.....	.....do.....	.....do.....	Oct. 20
Am. b'g'tine Mary T. Kimball	Oct. 20	Turks Is- lands.	.....do.....	.....do.....	Oct. 20
British schr. Walter Holly.....	Oct. 20	Quantanano	.....do.....	.....do.....	Oct. 20
Spanish schr. Alianza.....	Oct. 21	Magnabo.....	.....do.....	.....do.....	Oct. 21
British S. S. Trevaylor.....	Oct. 21	Cardiff.....	.....do.....	.....do.....	Oct. 21
Am. schr. Helen G. Moseley..	Oct. 22	Kingston.....	.....do.....	.....do.....	Oct. 22
American steamer Taurus.....	Oct. 22	Key West.....	.....do.....	.....do.....	Oct. 22
British steamship Ixia.....	Oct. 24	New Castle..	.....do.....	.....do.....	Oct. 24
British steamship Endeavor..	Oct. 24	.....do.....	.....do.....	.....do.....	Oct. 24

VESSELS REMAINING, ARRIVING AT, AND DEPARTING FROM UNITED STATES QUARANTINE STATIONS—*Continued.*

GULF QUARANTINE.

Week ended October 22, 1891.

Name of vessel.	Date of arrival.	Where from.	Destina-tion.	Treatment of vessel and cargo.	Date of dep'ture.
Italian bark Rosa (a)	Sept. 30	Santos via Barbados and Pensacola Bar.	Pensacola ...	Disinfected.....	Oct. 20
American schr. Garibaldi (b)	Oct. 17	Chandeleur Islands.	Biloxi .....	.....do.....	Oct. 21

(a) Previously reported.

(b) Ballast lighter.

SAN DIEGO QUARANTINE.

Week ended October 21, 1891.

American S. S. Newbern.....	Oct. 15	Guaymas, La Paz, Mazatlan.	San Francisco.	Inspected and passed.	Oct. 15
British S. S. Manuel Dublin..	Oct. 17	Ensenada ...	San Diego ...	.....do.....	Oct. 17
American ship Prussia	Oct. 19	New Castle.	.....do.....	.....do.....	Oct. 19
British S. S. Manuel Dublin..	Oct. 21	Ensenada ...	.....do.....	.....do.....	Oct. 21

PORT TOWNSEND QUARANTINE.

Week ended October 17, 1891.

Ship Centurion	Oct. 11	Shanghai...	Tacoma	Inspected and passed.	Oct. 11
Bark Matilda	Oct. 11	Honolulu...	Port Blakeley.	.....do.....	Oct. 11
Schooner Vesta.....	Oct. 11	Nicolafski, Siberia.	Seattle .....	.....do.....	Oct. 11
Barkantine Klikitat.....	Oct. 11	Honolulu...	Port Townsend.	.....do.....	Oct. 11
Schooner Fanny Dutard.....	Oct. 12	Victoria	Port Blakeley.	.....do.....	Oct. 12
Bark Belona.....	Oct. 12	Rio de Janeiro.	Tacoma.....	.....do.....	Oct. 12
Bark Minna	Oct. 12	Iquique.....	Whatcom .....	.....do.....	Oct. 12
Bark Anna Catherina.....	Oct. 12	.....do.....	Port Townsend.	.....do.....	Oct. 12
Steamship Remus	Oct. 13	Hamburg ...	Port Ludlow	.....do.....	Oct. 13

Infected vessel from Jamaica ashore on Amelia Island, Florida.

The following letter was received from Dr. Joseph Y. Porter, State health officer of Florida :

JACKSONVILLE, FLA., *October 22, 1891.*

DEAR SIR : I have the honor to inform you that the German bark, *Soli Deo Gloria*, from Kingston, Jamaica, went ashore several days ago on Amelia Island, where she is at present. The crew rescued themselves and landed with dunnage, etc., on Talbot Island, directly opposite the one on which is the stranded vessel.

This vessel sailed from Kingston September 18 without, *the captain states*, a bill of health ; on her voyage she lost three men, and had two

others sick. This sickness *the captain reported* as sunstroke, but there is strong evidence that it was yellow fever. The captain's conjunctiva are still yellowish and he has a yellowish cast of countenance. I also ascertained that while at Kingston he lay alongside of a foreign vessel, and that his crew were often on board of her. I further developed the fact that this vessel was from Rio de Janeiro, and that they lost a seaman after leaving that port some five days. The captain of this vessel died while at Kingston, but his death was not attributed to yellow fever. Those of his crew who were sick and died were not taken sick until after leaving Kingston about a week. Further questioning brought to light the fact that those who were not taken sick had all become inured to this disease by many trips to the tropics, and to the western coast of Africa.

The crew of the *Soli Deo Gloria* have been under strict surveillance, and as soon as possible were sent to the United States quarantine and refuge station at Sapelo Sound. The vessel has been declared infected and persons forbidden to visit or remove anything from her. She is also under surveillance of this board.

I shall report any further developments. Kindly give me what information you can in regard to the present sanitary condition of the Island of Jamaica, and especially the port of Kingston.

To the SUPERVISING SURGEON-GENERAL M.-H. S.

To which the following reply was made:

WASHINGTON, D. C., *October 27, 1891.*

SIR: I have the honor to acknowledge the receipt of your letter of the 22d instant, relative to the German bark *Soli Deo Gloria*, ashore on Amelia Island, and containing a request for information as to the present sanitary condition of the Island of Jamaica, and especially of the port of Kingston. In answer to your request, I have to inform you that the acting superintending medical officer of Kingston reports, under date of September 26, that "the chief mate and one seaman from the German bark *Elena*, anchored in the harbor of Kingston, under quarantine restrictions, are under treatment at the public hospital, suffering from yellow fever. The state of health of the port is otherwise satisfactory.

"P. S.—Since the date of this return the death of the chief mate of the *Elena* has occurred at the public hospital, and the other case of yellow fever referred to has recovered.

"The *Elena* has been removed from Kingston harbor to the quarantine ground, and arrangements made to receive into the lazaretto any of her crew who may consent to leave the ship.

"A case of yellow fever from the Sailor's Home is under treatment. It is a mild case and is recovering. The hospital authorities are of opinion, in view of the arrangements there, with regard to this and other two cases, that no danger need be feared of the disease spreading.

"The state of health of the several other ports of the island is reported to be satisfactory."

Under date of October 3, he further reports: "The state of health of this port at the present time is very satisfactory and the state of health at the other ports of the island continues to be satisfactory."

These reports received through our consul at Jamaica are the latest from the island. You will observe by referring to the ABSTRACT OF SANITARY REPORTS, under dates of October 9 and 16, that a full his-

tory of the German barks *Soli Deo Gloria* and the *Elena* was published in those numbers. That the ballast from the infected German bark *Elena* was transferred to the *Soli Deo Gloria* in the harbor of Kingston, and it is altogether likely that the latter vessel is infected.

Notification to State boards of health of the arrival of immigrants at New York from infected vessels or localities.

MICHIGAN STATE BOARD OF HEALTH,
Office of the Secretary,
Lansing, Mich., October 10, 1891.

DEAR DOCTOR: IN your ABSTRACT OF SANITARY REPORTS, pages 454-456, I notice that there has recently been accorded to the Minnesota State board of health what several of our boards have long desired, namely, "notification to State health authorities of immigrants arriving at New York from infected localities or vessels" whose proposed destination is within the State notified. I write to ask that such notices be sent to this office.

As you will see, from inclosed "names and addresses of health officers in Michigan for the years 1891-'92," there are over 1,500 local boards of health in Michigan with which this board is prepared to communicate and cooperate.

I trust that it may be practicable to give similar notices to this office as is done for the State board of health of Minnesota.

Very respectfully,

HENRY B. BAKER,
Secretary.

To the SUPERVISING SURGEON-GENERAL M.-H. S.

WASHINGTON, D. C., October 28, 1891.

SIR: Referring to your letter of the 10th instant, requesting to be notified of immigrants arriving at New York from infected localities or vessels, whose destination is within the State of Michigan, I have the honor to inform you that your request has been approved, and you will be regularly notified hereafter as requested.

By order of the Supervising Surgeon-General M.-H. S.

Respectfully yours,

H. W. AUSTIN,
Surgeon, M.-H. S.

Dr. HENRY B. BAKER,
Secretary Michigan State Board of Health, Lansing, Mich.

Reports of States, and yearly and monthly reports of cities.

ALABAMA—*Mobile*.—Month of September, 1891. Population, 31,076. Total deaths, 68, including diphtheria, 2; enteric fever, 4; and phthisis pulmonalis, 10.

COLORADO—*Denver*.—Month of September, 1891. Population, 106,713. Total deaths, 128, including diphtheria, 14; measles, 1; enteric fever, 15; and phthisis pulmonalis, 12.

MICHIGAN.—Week ended October 17, 1891. Reports to the State

board of health, Lansing, from 62 observers indicate that inflammation of brain, puerperal fever, membranous croup, whooping cough, typhoid fever, and rheumatism increased, and that scarlet fever, cholera infantum, cerebro-spinal meningitis, diphtheria, and inflammation of kidney decreased in area of prevalence.

Diphtheria was reported present during the week at 34 places, scarlet fever at 35 places, enteric fever at 47 places, and measles at 4 places.

MONTANA—*Butte City*.—Year ended June 30, 1891. Population (estimated) Butte and 3 miles sanitary limit, 30,000. Total death, 678, including scarlet fever, 8; enteric fever, 31; croup, 12; diphtheria, 12; measles, 2; whooping cough, 2; and phthisis pulmonalis, 20.

NEW HAMPSHIRE—*Manchester*.—Month of September, 1891. Population, 43,983. Total deaths, 65, including enteric fever, 1; whooping cough, 1; and phthisis pulmonalis, 11.

NEW JERSEY—*Hudson County*.—Month of September, 1891. Population, 283,850. Total deaths, 670, including measles, 4; scarlet fever, 12; diphtheria, 25; whooping cough, 3; enteric fever, 23; and phthisis pulmonalis, 58.

NEW YORK—*Buffalo*.—Month of September, 1891. Population, 255,664. Total deaths, 511, including scarlet fever, 7; diphtheria, 13; croup, 13; whooping cough, 3; enteric fever, 22; and phthisis pulmonalis, 37.

Publications received.

Medical communications of the Massachusetts Medical Society, Vol. XX, No. 2, 1891.

Reports of the board of health of the State of Alabama, 1889.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—											
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varioloid.	Varicella.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
New York, N. Y.....	Oct. 24.....	1,515,301	688	104	.....	.....	.....	.....	.....	.....	9	10	20	4	3
Philadelphia, Pa.....	Oct. 17.....	1,046,964	398	61	.....	.....	.....	.....	.....	.....	8	7	46	.....	2
Brooklyn, N. Y.....	Oct. 24.....	566,689	359	35	.....	.....	.....	.....	.....	.....	7	3	12	.....	.....
St. Louis, Mo.....	Oct. 17.....	451,770	167	.....	.....	.....	.....	.....	.....	.....	4	1	14	.....	.....
St. Louis, Mo.....	Oct. 24.....	451,770	176	.....	.....	.....	.....	.....	.....	.....	6	.....	9	5	.....
Boston, Mass.....	Oct. 24.....	448,477	187	29	.....	.....	.....	.....	.....	.....	9	2	5	.....	.....
Baltimore, Md.....	Oct. 24.....	434,439	.....	19	.....	.....	.....	.....	.....	.....	.....	3	11	.....	.....
San Francisco, Cal.....	Oct. 17.....	298,997	.....	17	.....	.....	.....	.....	.....	.....	2	.....	5	1	.....
Cincinnati, Ohio.....	Oct. 23.....	296,908	110	10	.....	.....	.....	.....	.....	.....	5	.....	3	.....	.....
Cleveland, Ohio.....	Oct. 17.....	261,253	65	2	.....	.....	.....	.....	.....	.....	2	.....	3	.....	.....
Pittsburgh, Pa.....	Oct. 17.....	238,617	92	.....	.....	.....	.....	.....	.....	.....	2	.....	13	.....	3
Washington, D. C.....	Oct. 17.....	230,392	112	15	.....	.....	.....	.....	.....	.....	7	.....	9	.....	3
Detroit, Mich.....	Oct. 24.....	205,876	61	.....	.....	.....	.....	.....	.....	.....	.....	1	7	.....	.....
Milwaukee, Wis.....	Oct. 10.....	204,468	77	7	.....	.....	.....	.....	.....	.....	1	1	6	1	3
Milwaukee, Wis.....	Oct. 17.....	204,468	81	6	.....	.....	.....	.....	.....	.....	3	.....	7	.....	1

MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

Cities.	Week ended.	Population U. S. Census of 1890.	Total deaths from all causes.	Deaths from—										
				Pneumonia.	Yellow fever.	Smallpox.	Varioloid.	Varicella.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Milwaukee, Wis.	Oct. 24.	204,468	77	1						4	2	6		1
Minneapolis, Minn.	Oct. 24.	164,738	42							1	1			
Rochester, N. Y.	Oct. 24.	135,896	32	2						2	2			
Kansas City, Mo.	Oct. 17.	132,716	30	2									1	
Providence, R. I.	Oct. 24.	132,146	40							1				
Indianapolis, Ind.	Oct. 26.	105,436	34	1						3				
Toledo, Ohio.	Oct. 23.	82,652												
Richmond, Va.	Oct. 24.	81,388	48	5						4				1
Nashville, Tenn.	Oct. 24.	76,168	22							1				
Fall River, Mass.	Oct. 22.	74,398	32	3						3				
Manchester, N. H.	Oct. 24.	44,126												
Erie, Pa.	Oct. 24.	40,536	9								1		1	
Binghamton, N. Y.	Oct. 24.	35,005	10	2						1		2		
Portland, Me.	Oct. 24.	33,810												
Yonkers, N. Y.	Oct. 17.	32,033	16	1								1		
Yonkers, N. Y.	Oct. 24.	32,033	11	1							1			
Mobile, Ala.	Oct. 17.	31,076	18	3										
Mobile, Ala.	Oct. 24.	31,076	17	3										
Galveston, Tex.	Oct. 9.	29,084		1										
San Diego, Cal.	Oct. 17.	16,159	2											
Pensacola, Fla.	Oct. 17.	11,750	5	1										

Table of temperature and rainfall, week ended October 23, 1891.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
New England States:						
Eastport, Me.	45	18		1.05	.40	
Portland, Me.	45	9		.91		.50
Boston, Mass.	50		6	.98	.28	
Block Island, R. I.	53		3	1.03	.79	
Middle Atlantic States:						
Albany, N. Y.	50		11	.77	.09	
New York, N. Y.	55		25	.77	.61	
Philadelphia, Pa.	56		34	.65	1.18	
Atlantic City, N. J.	55		19	.72	1.08	
Baltimore, Md.	57		46	.68	1.34	
Washington, D. C.	56		41	.71	1.03	
Lynchburg, Va.	57		38	.72		.44
Norfolk, Va.	61		44	.88		.65
South Atlantic States:						
Charlotte, N. C.	60		54	.84		.73
Wilmington, N. C.	64		59	.83		.83
Charleston, S. C.	67		50	.94		.94
Augusta, Ga.	64		62	.55		.51
Savannah, Ga.	67		52	.84		.84
Jacksonville, Fla.	71		53	1.14		1.14
Key West, Fla.	78			1.13		
Gulf States:						
Atlanta, Ga.	61		45	.57		.57
Pensacola, Fla.	69		45	.84		.84
Mobile, Ala.	68		48	.70		.70
Montgomery, Ala.	66		52	.58		.58
Vicksburg, Miss.	66		33	.68		.65
New Orleans, La.	70		36	.77		.77
Shreveport, La.	66		31	.82		.69
Fort Smith, Ark.	61		11	.77		.77
Little Rock, Ark.	62		27	.57		.57
Palestine, Tex.	66	4		.84		.84
Galveston, Tex.	72		8	1.12		1.02
San Antonio, Tex.	68		5	.39		.20
Corpus Christi, Tex.	72		4	.70		.70
Brownsville, Tex.	75			.96		
Rio Grande City, Tex.	75			.49		

Table of temperature and rainfall, week ended October 23, 1891—Continued.

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Ohio Valley and Tennessee:						
Memphis, Tenn.....	62		5	.75		.65
Nashville, Tenn.....	60		6	.74		.29
Chattanooga, Tenn.....	60		7	.74		.57
Knoxville, Tenn.....	58		65	.70		.41
Louisville, Ky.....	58		41	.72		.54
Indianapolis, Ind.....	52		3	.70		.29
Cincinnati, Ohio.....	55		46	.63	.15	
Columbus, Ohio.....	52		38	.67	1.61	
Pittsburg, Pa.....	54		31	.63		.35
Lake Region:						
Oswego, N. Y.....	48		4	.77	.53	
Rochester, N. Y.....	48		6	.76	.77	
Buffalo, N. Y.....	49		9	.91		.39
Erie, Pa.....	51		17	.98		.36
Cleveland, Ohio.....	51		30	.64		.01
Sandusky, Ohio.....	52		29	.63	1.27	
Toledo, Ohio.....	51		39	.60	.83	
Detroit, Mich.....	51		34	.61	.65	
Port Huron, Mich.....	48		10	.69	.10	
Alpena, Mich.....	44		1	.95		.72
Marquette, Mich.....	43		11	.70		.08
Grand Haven, Mich.....	48		11	.82		.47
Milwaukee, Wis.....	48		12	.56		.27
Chicago, Ill.....	50		24	.77		.71
Duluth, Minn.....	43	4		.56	.05	
Upper Mississippi Valley:						
St. Paul, Minn.....	46	5		.40		.39
La Crosse, Wis.....	48		6	.49		.43
Dubuque, Iowa.....	49		4	.66		.54
Davenport, Iowa.....	50		7	.70		.32
Des Moines, Iowa.....	50		1	.81		.69
Keokuk, Iowa.....	52		6	.70		.26
Springfield, Ill.....	53		26	.77		.41
Cairo, Ill.....	58		37	.70		.65
St. Louis, Mo.....	56	29		.59		.33
Missouri Valley:						
Springfield, Mo.....	57		25	.77		.77
Kansas City, Mo.....	55		9	.81		.80
Concordia, Kans.....	53		1	.35		.35
Omaha, Nebr.....	51	1		.58		.51
Valentine, Nebr.....	48	26		.28		.28
Huron, S. Dak.....	45	22		.28		.28
Pierre, S. Dak.....	48	31		.14		.13
Extreme Northwest:						
Moorhead, Minn.....	40	31		.52		.50
Bismarck, N. Dak.....	42	42		.24		.21
Buford, Fort, N. Dak.....	42	36		.21		.19
Rocky Mountain Slope:						
Asinniboine, Fort, Mont.....	42	79		.10		.10
Helena, Mont.....	43	11		.20		.20
Salt Lake City, Utah.....	49	55		.42		.42
Cheyenne, Wyo.....	44	39		.20		.20
North Platte, Nebr.....	48	26		.27		.27
Denver, Colo.....	49	33		.21		.21
Montrose, Colo.....	48	2		.21		.21
Pueblo, Colo.....	50	4		.07		.07
Dodge City, Kans.....	54	0	0	.27		.27
Sill, Fort, Ind. T.....	60			.71		
Santa Fé, N. Mex.....	48	4		.21		.21
Pacific Coast:						
Olympia, Wash.....	50	5		1.05		.01
Portland, Oreg.....	53	6		1.03		.55
Roseburg, Oreg.....	53	6		.67	.21	
Red Bluff, Cal.....	62	6		.37		.27
Sacramento, Cal.....	61	6		.28		.28
San Francisco, Cal.....	60	1		.35		.35
Los Angeles, Cal.....	63	5		.21		.21
San Diego, Cal.....	62	3		.14		.14
Yuma, Ariz.....	71	8		.07		.07

FOREIGN.

(Reports received through the Department of State and other channels.)

BAHAMAS—*Inagua*.—Three weeks ended September 28, 1891. Population, 1,000. Total deaths, none.

Dunmore Town.—Two weeks ended October 8, 1891. Population, 1,472. Total deaths, 1. No infectious diseases.

BERMUDA.—Year 1890. Population, 15,884. Total deaths, 393, including whooping cough, 20; enteric fever, 20; measles, 2; and phthisis pulmonalis, 40.

CANADA.—*A short sketch of the present outbreak of smallpox in the Province of Quebec*.—The board of health of the Province of Quebec, under date of Montreal, October 26, 1891, publishes the following :

On the 8th of September a female servant named Bujold, employed in the family of Mr. Cabot, Richelieu street, Quebec, having felt unwell for several days and an eruption appearing on the skin, went to the Hotel-Dieu hospital for advice. The physician there being unable to diagnose the case ordered the girl, as a precautionary measure, to be placed in a room by herself until the following day. The girl, however, managed to leave the hospital, and crossing over to Point Lévis took the Intercolonial cars to Dalhousie that evening, and at Dalhousie embarked on the steamer *Admiral*, arriving at her home at Carleton, County of Bonaventure, at 9 o'clock a. m. September 9, where her case was afterwards recognized as smallpox. The disease declared itself ten or twelve days afterwards in a house at Carleton, at which the girl had stopped for a short time on her way through the village to her father's house after leaving the boat. These were the first cases reported to the provincial board. Later the provincial board of health of New Brunswick reported a case in Dalhousie, that of a sailor employed on the *Admiral*.

A well qualified medical inspector was at once dispatched by the provincial board with instructions to see that the local board was doing its duty in the matter of isolation, vaccination, and disinfection, and to return on the track of the girl Bujold, in order to discover if possible the source from which she had been infected.

Cases having been reported at St. Paul de la Croix and at St. Damase, the inspector was telegraphed to call there on his way back to Quebec, these places being only a few miles distant from the Intercolonial Railway line. Both these outbreaks occurred from direct contact with the girl Bujold on the cars. The gravity of the St. Paul de la Croix outbreak is explained by the fact that the persons infected on board the cars by the girl Bujold went to a social gathering in the Post-Office House the night of their arrival at St. Paul. Cases resulting from contact with her on the boat were subsequently reported from Pabos, Newport, and Shoobred and are being well looked after by the local boards.

The cases of spreading from parishes originally infected are two cases at St. Clement, a parish adjoining St. Paul; four cases at Ascot, near Sherbrooke, in a family returning home from St. Damase; and one

case at La Jeune Lorette, in a washerwoman's family, which resulted from infected clothes brought from the Chabot house, in Quebec, before it was quarantined.

On the return of our inspector to Quebec and on his going to the house in which Bujold had resided, he discovered a child with smallpox well developed and shortly afterwards another child in the same house took the disease; both were unvaccinated and both died. On continuing his search, our inspector found that a nurse named Gale, attached to the Jeffrey Hale Hospital, had been siezed with smallpox and had been removed from the hospital to a house in Richelieu street some two doors from the house in which Bujold afterwards fell sick. Further investigation proved that another nurse from the same hospital, named Macpherson, had been laid up with smallpox and had been sent away from the city to a neighboring village, to be treated. These two cases had not been reported so far as the inspector could learn. It further transpired that a male employé of the hospital had shortly before died of an eruptive disease which the provincial board has strong reasons for believing was smallpox. A prior case not yet fully investigated appears to have been in the hospital in the person of a sailor or a man employed about the harbor. It is possible but not yet proven that this case resulted from the steamer *Brazilian*, which was quarantined at Gross-Isle, in June, and which after having landed her sick and having been disinfected, proceeded to Montreal, where a case of smallpox was discovered on board. This vessel stopped at Quebec, on her return trip, and some of the sailors, it is reported, went ashore and sold clothes to second-hand shops.

En Résumé.

County.	Municipality.	Number of cases since outbreak.	Deaths.	Recov-ered.	Are still sick.
.....	Quebec City.....	5	3	2	0
Bonaventure ...	Carleton	9	1	8	0
Do.....	Shoolbred and Nouvelle	1	0	0	1
Rimouski	St. Damase.....	6	3	0	3
Témiscouata ...	St. Paul de la Croix.....	47	6	0	41
Do.....	St. Clément	5	0	0	5
Gaspè.....	Pabos.....	6	0	0	6
Do.....	Newport.....	1	0	0	1
Sherbrooke.....	Ascot.....	4	3	0	1
Québec	La Jeune Lorette.....	1	0	0	1

CAPE VERD—*Santiago*.—The United States consul states, under date of September 28, 1891, that “there is considerable smallpox in a small district 25 miles from this city. Owing to very little medical attendance, with no comforts, patients lying on the bare ground in temporary huts provided for them, many cases prove fatal. This port is still in quarantine.”

CEYLON.—First quarter of 1891. Population, 3,002,655. Total deaths, 23,119, including smallpox, 94; varicella, 48; measles, 213; whooping cough, 6; diphtheria, 2; enteric fever, 914; and phthisis pulmonalis, 542.

CUBA—*Havana*.—Week ended October 15, 1891. Nine deaths from yellow fever.

Cardenas.—Week ended October 19, 1891. Total deaths, 11, including yellow fever 1 and enteric fever 2.

FRANCE—*Nice*.—Month of August, 1891. Population, 97,720. Total deaths, 179, including enteric fever, 2; diphtheria, 2; and phthis pulmonalis, 6.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 28 great towns of England and Wales during the week ended October 10 corresponded to an annual rate of 18.4 a thousand of the aggregate population, which is estimated at 9,405,108. The lowest rate was recorded in Brighton, viz, 12.2, and the highest in Sunderland, viz, 25.8 a thousand.

London.—One thousand three hundred and ninety-six deaths were registered during the week, including measles, 17; scarlet fever, 10; diphtheria, 29; whooping cough, 40; enteric fever, 16; and diarrhœa and dysentery, 65. The deaths from all causes corresponded to an annual rate of 17.2 a thousand. Diseases of the respiratory organs caused 223 deaths. In greater London 1,737 deaths were registered, corresponding to an annual rate of 16.0 a thousand of the population. In the "outer ring" the deaths included diarrhœa 18 and diphtheria 10.

Ireland.—The average annual death rate represented by the deaths registered during the week ended October 10, in the 16 principal town districts of Ireland, was 19.9 a thousand of the population. The lowest rate was recorded in Dundalk, viz, 7.8, and the highest in Galway, viz, 26.6 a thousand. In Dublin and suburbs 153 deaths were registered, including enteric fever, 3; whooping cough, 4; and typhus, 2.

Scotland.—The deaths registered in 8 principal towns during the week ended October 10 corresponded to an annual rate of 20.0 a thousand of the population, which is estimated at 1,338,314. The lowest mortality was recorded in Leith, viz, 13.4, and the highest in Glasgow, viz, 23.2 a thousand. The aggregate number of deaths registered from all causes was 514, including measles, 7; scarlet fever, 6; diphtheria, 12; whooping cough, 14; fever, 14; and diarrhœa, 32.

Newcastle-upon-Tyne.—Two weeks ended October 3, 1891. Population, 187,800. Total deaths, 173, including scarlet fever 2.

Sunderland.—Two weeks ended October 3, 1891. Population, 131,302. The deaths included enteric fever 5 and scarlet fever 2.

HONDURAS—*Ruatan*.—Week ended October 10, 1891. No cases or deaths from contagious diseases.

JAMAICA—*Kingston*.—The following dispatch, under date of October

9, has been received from the United States consul at Kingston through the Secretary of State:

* * * * *

I am quite sure there is now no further danger, and, as stated in my letter to the colonial secretary, I am issuing clean bills of health.

I think I may be pardoned for saying that if I had not taken a firm position the *Elena* would not have been sent to the quarantine grounds at all.

I also desire to call the attention of the Department to the fact, as shown in my letter of October 2 to the colonial secretary, that the health reports furnished me by the health department are not as complete, regular, or frequent as they should be, and that I am compelled to do too much guess work in issuing bills of health.

MEXICO—*Guaymas*.—Month of September, 1891. Population, 6,600. Total deaths, 31, including none from contagious diseases.

ONTARIO—*Clifton*.—Period from August 9 to October 17, 1891. Population, 3,500, including none from contagious diseases.

SWITZERLAND—*Zurich*.—Month of August, 1891. Population, 91,323. Total deaths, 140, including measles, 3; diphtheritis and croup, 1; typhus, 1; and phthisis pulmonalis, 19.

SYRIA—*Aleppo*.—The United States consular agent, under date of September 22, 1891, reports that the steamer *Macedonian*, Captain Marash, loaded from Alexandretta, Syria, on the 8th of September, 703 bales of unwashed wool destined for New York and 210 bales for Boston.

The city of Alexandretta is regarded as a cholera-infected port.

TURKEY—*Constantinople*.—Month of August, 1891. Total deaths, 892, including smallpox 35.

Cholera.

[Translated for this Bureau from the *Veröffentlichungendes Gesundheitsamtes*, Berlin, Germany, October 6, 1891.]

Hedjaz.—According to official reports from Djeddah the expeditions of pilgrims from Djeddah and Yambo, in ships destined for the North, are ended. The sanitary condition there is reported to be good.

Dr. Kauffmann reports from Tor, under date of September 5, the result of his investigations of 11 further cases of death. His report solely refers to the dissection of bodies, and no mention is made of the presence of cholera in any of the cases.

East Indies—Madras.—According to official reports the number of deaths from cholera has considerably increased. During the week from August 8 to August 14 the number of deaths rose to 61, whilst in the preceding week it was but 16.

MORTALITY TABLE, FOREIGN CITIES -Continued.

Cities.	Week ended.	Estimated Popula- tion.	Total deaths from all causes.	Deaths from—									
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
Vera Cruz.....	Oct. 9.....	25,000	9										
Vera Cruz.....	Oct. 16.....	25,000	9		2			1					
Girgenti.....	Oct. 3.....	23,547	6										
Licata.....	Oct. 3.....	19,000	13					6					
Kingston, Can.....	Oct. 16.....	18,472	4										
Sagua la Grande.....	Oct. 10.....	18,109	14										
St. John, Antigua.....	Sept. 19.....	16,864	16										
Victoria.....	Oct. 10.....	16,000	11										
Hamilton, Bermuda.....	Oct. 13.....	15,013	1										
Hamilton, Bermuda.....	Oct. 13.....	15,013	2										
Flushing.....	Oct. 10.....	13,200	2										
St. Thomas.....	Sept. 25.....	12,019	7										
St. Thomas.....	Oct. 2.....	12,019	2										
Matamoros.....	Oct. 10.....	12,000	2										
Matamoros.....	Oct. 17.....	12,000	7										
Nassau.....	Oct. 3.....	10,914											
Nassau.....	Oct. 10.....	10,914											
Nassau.....	Oct. 19.....	10,914											
Guelph.....	Oct. 19.....	10,539	4										
Tuxpan.....	Oct. 3.....	9,000	11										
La Guayra.....	Oct. 3.....	7,641	6										
La Guayra.....	Oct. 10.....	7,641	5										
Port Sarnia.....	Oct. 10.....	6,600	1					1					
Port Sarnia.....	Oct. 17.....	6,600	1										
Santiago, Cape Verd.....	Sept. 7.....	4,600	4										
Santiago, Cape Verd.....	Sept. 14.....	4,600	4										
Santiago, Cape Verd.....	Sept. 21.....	4,600	6										
Santiago, Cape Verd.....	Sept. 28.....	4,600	7										
Coaticook.....	Oct. 10.....	3,800	2										
Coaticook.....	Oct. 17.....	3,800	7										
Green Turtle Cay.....	Oct. 7.....	3,227	7								1	5	
Livingston.....	Oct. 7.....	3,000											
Livingston.....	Oct. 14.....	3,000	2										
Amherstburg.....	Oct. 17.....	2,300	2										
Amherstburg.....	Oct. 17.....	2,300	1										
Puntarenas.....	Sept. 12.....	2,200	3										
Puntarenas.....	Sept. 19.....	2,200	4										
Puntarenas.....	Sept. 26.....	2,200	5										
Governor's Harbor.....	Oct. 15.....	1,109	1										
Waubauskene.....	Oct. 17.....	1,000											

OFFICIAL :

WALTER WYMAN,
Supervising Surgeon-General Marine-Hospital Service.